



TROPICAL CYCLONE ADVISORY NO. 5

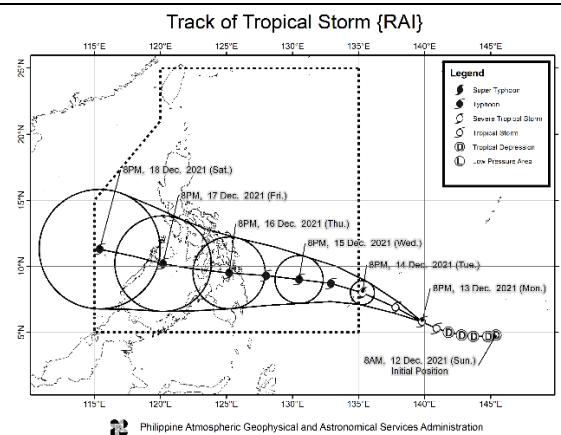
Tropical Storm "RAI"

Issued at 11:00 PM, 13 December 2021

Valid for broadcast until the next advisory at 11:00 AM tomorrow.

"RAI" MAINTAINS ITS STRENGTH WHILE MOVING WEST NORTHWESTWARD TOWARDS PALAU.

Location of Center (10:00 PM)	
The center of the Tropical Storm "RAI" was estimated based on all available data at 1,585 km East of Mindanao (5.8°N, 139.6°E) (outside the PAR)	
Intensity	
Maximum sustained winds of 65 km/h near the center, gustiness up to 80 km/h , and central pressure of 998 hPa	
Present Movement	
West northwestward at 20 km/h	



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 AM 14 December 2021	6.9	137.8	1,325 km East of Mindanao (outside the PAR)	85	TS	WNW 20
24-Hour Forecast 8:00 PM 14 December 2021	8.0	135.3	900 km East of Mindanao (outside the PAR)	100	STS	WNW 25
36-Hour Forecast 8:00 AM 15 December 2021	8.7	132.9	725 km East of Hinatuan, Surigao del Sur	120	TY	WNW 25
48-Hour Forecast 8:00 PM 15 December 2021	9.0	130.5	465 km East of Hinatuan, Surigao del Sur	140	TY	W 20
60-Hour Forecast 8:00 AM 16 December 2021	9.3	128.0	280 km East of Surigao City, Surigao del Norte	150	TY	W 25
72-Hour Forecast 8:00 PM 16 December 2021	9.5	125.2	Over the coastal waters of Malimono, Surigao del Norte	155	TY	W 25
96-Hour Forecast 8:00 PM 17 December 2021	10.2	120.2	Over the coastal waters of Araceli, Palawan	140	TY	W 25
120-Hour Forecast 8:00 PM 18 December 2021	11.3	115.4	145 km East Northeast of Kalayaan, Palawan	150	TY	W 20

Prepared by: RPG

Checked by: SFD



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GENERAL OUTLOOK FOR THE FORECAST PERIOD

- Tropical Storm "RAI" is forecast to move west northwestward while gradually intensifying and enter the Philippine Area of Responsibility (PAR) as a severe tropical storm tomorrow evening. Once inside PAR, the domestic name "ODETTE" will be assigned to this tropical cyclone. "RAI" will begin moving westward over the Philippine Sea on Wednesday morning and may make landfall in the vicinity of Caraga or Eastern Visayas by Thursday (16 December) afternoon or evening. While inside the PAR, favorable atmospheric conditions will favor sustained intensification prior to landfall. This tropical cyclone is forecast to reach typhoon category on Wednesday. A pre-landfall peak intensity of around 155 km/h may be reached by Thursday afternoon.
- There is a high likelihood that Tropical Cyclone Wind Signals will be hoisted for Visayas, large portions of Mindanao, and several provinces in Southern Luzon due to the threat of **strong to typhoon-force winds** associated with the passage of "RAI". The highest possible wind signal that may be hoisted is TCWS #3. Localities situated in the eastern portions of Visayas and Mindanao may be placed under TCWS #1 as early as tomorrow afternoon or evening.
- The passage of this tropical cyclone over the central portion of the archipelago may bring **heavy to torrential rainfall** over Visayas, Mindanao, and several provinces in Southern Luzon, which may bring **possible flooding and rain-induced landslides**. **Coastal inundation due to high waves near the coast and storm surge** are also possible for low-lying localities near and along the path of the typhoon. Residents over the northern and eastern portions of Northern Luzon and the eastern portion of Central Luzon are also advised to monitor for updates regarding possible **heavy rainfall** which may occur in relation to the behavior of the shear line during and after the passage of this tropical cyclone.
- The passage of "RAI" will bring rough to high seas (reaching very high or phenomenal in open sea near the center of the cyclone) over the seabards of Southern Luzon and Visayas, and the northern, eastern, and western seabards of Mindanao. Rough to high seas are also possible for the seabards of Northern and Central Luzon. **Sea travel is risky for all types of seacrafts over these waters**.
- Moderate to rough seas are also possible for the remaining seabards of Mindanao during the passage. **Sea travel is risky over these waters for small seacrafts**.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to continue monitoring for updates related to this tropical cyclone.

Unless an intermediate advisory or initial tropical cyclone bulletin is released, the next tropical cyclone advisory will be issued at 11:00 AM tomorrow.

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